

Table 3. Sample GISST output (2 mile buffers) for Aransas National Wildlife Refuge, Rancho, Blackjack and Lamar Units.

Criterion Name	Rancho		Blackjack		Lamar	
	Raw value	Score	Raw value	Score	Raw value	Score
Surface Water Use (% of streams meeting designated use)	0	3	0	3	0	3
Water Quality (STORET Exceedances per square mile)	0	1	0	1	0	1
Annual Average Rainfall (inches per year)	41.1	4	41	4	35.5	3
Unified Watershed Assessment (State Priorities)		3		3		3
Average surface water flow (cubic feet per second)	1315.7	2	0	5	43.2	4
Average aquifer geology score		4		4		4
Score for the Distance to surface water		3		1		3
Ozone nonattainment score by county		1		1		1
Sole Source Aquifer Score		1		1		1
Surface water quantity (stream/shoreline miles per sq mile)	1.715723	5	1.446415	4	1.112762	2
Percent of area that is surface water	32	4	33	4	32.7	4
Average Soil Permeability Score		1.4		3.4		3.5
Average Ground water probability score		1.6		3.0		3.2
Percent wildlife habitat	90.986191	5	92.562683	5	94.800003	5
Land Use/Land Cover average ranking	4.8	5	4.9	5	4.9	5

Criterion Name	Rancho		Blackjack		Lamar	
	Raw value	Score	Raw value	Score	Raw value	Score
Percent Agricultural Land	8.360503	1	7.338628	1	1.250755	1
Percent Wetland	43.846172	4	21.881397	2	21.212193	2
Percent within 100 year flood plain	77.910126	5	42.812851	4	70.91584	5
Percent within 500 year flood plain	85.366623	5	52.961918	5	83.556107	5
Road density (road mile per sq mile)	1.43507	2	1.006213	1	2.203287	4
Channelization (channel/canal miles per square mile)	0.302875	1	0.052736	1	0	1
Number of other sites around the facility	0	1	0	1	0	1
Percent of Population without a High School Degree	34.9282	2	29.2373	2	26.5625	1
Educational Achievement Score		2.3		2		1
Percent of households that are economically stressed	26.1905	1	34.3066	2	35.124	2
Percent of population that is considered a minority	12.3967	1	6.5359	1	5.8407	1
Percent of population that is under 7 years of age	1.2397	1	10.1307	1	7.4336	1
Percent of population that is over 55 years of age	52.0661	1	47.7124	1	52.5664	1
Percent of population that is under 1 year of age (natality)	1.2397	1	0.9804	1	0.708	1
Percent of population over 16 that is unemployed	5.9091	2	1.5873	1	1.0163	1
Population density (persons per square mile)	5.831836	1	1.506599	1	23.782158	1
Total Population	242		306		565	

Criterion Name	Rancho		Blackjack		Lamar	
	Raw value	Score	Raw value	Score	Raw value	Score
Percent of population does not speak English well/none	0	1	0.3584	1	0	1
Percent of households that are linguistically isolated	0	1	0	1	0	1
Percent of population that is foreign born	0	1	3.9216	1	3.8938	1
Score for Age of houses		1.9		1.6		1.4
Cumulative chemical releases to air from TRI	0			1		
Cumulative chemical releases to water from TRI	0			1		
Cumulative chemical releases to land from TRI	0			1		
Toxicity weighted releases to air	0			1		
Toxicity weighted releases to water	0			1		